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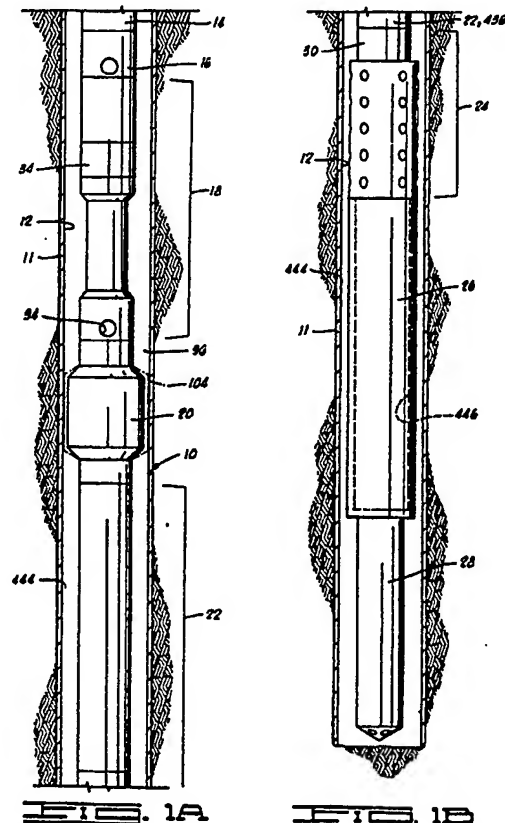
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㉕ **Downhole tool and method for perforating and sampling.**

㉖ A downhole tool for perforating a well and obtaining fluid samples therefrom, comprises a retrievable packer (20), perforating guns (24) and a sampler (22) disposed between the packer and guns which is adapted for entrapping a fluid sample without flowing well fluids into the tool string. An operating piston is slidably disposed in a cylinder above the packer and is used to actuate a sampler valve in the sampler. A seal ensures that all portions of a sampling chamber in the sampler are disposed below the packer. The operating piston is actuated in response to a pressure differential between a well annulus above the packer and an internal pressure in the tool. The sampler includes a plurality of sampler modules disposed in the sampling chamber. Each of the sampler modules includes a valve which automatically closes after a predetermined volume of fluid fills a sampler module chamber defined in the sampler module.



**EP 0 295 922 A3**



EP 88 30 5522

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	EP-A-0 137 735 (HALLIBURTON CO.) * Abstract * ---	1-12	E 21 B 49/08 E 21 B 43/116
A	US-A-2 169 559 (HALLIBURTON) * Page 3, lines 14-51 * ---	1,9	E 21 B 34/10 E 21 B 47/06
A	US-A-2 330 509 (McCULLOUGH) * Page 3, left-hand column, line 64 - right-hand column, line 9 * -----	1,9	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			E 21 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 02-10-1989	Examiner HEDEMANN, G. A.
<b>CATEGORY OF CITED DOCUMENTS</b>			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document			